

PRELIMINARY LISTS OF NEW ENGLAND PLANTS IV.<sup>1</sup>

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[The sign + indicates that an herbarium specimen has been seen; the sign — that a printed record has been found.]

## CISTACEAE.

	Me.	N. H.	Vt.	Mass.	R. I.	Conn.
<i>Helianthemum canadense</i> , Michx. . . . .	+	+	+	+	+	+
“ <i>majus</i> , Britt., Sterns & Poggenb. . . . .	+	+	+	+	+	+
<i>Hudsonia ericoides</i> , L. . . . .	+			+	+	
“ <i>tomentosa</i> , Nutt. . . . .	+	+	+	+	+	+
<i>Lechea intermedia</i> , Leggett. . . . .	+	+	+	+	+	+
“ <i>juniperina</i> , Bicknell. . . . .	+	+				
“ <i>Leggettii</i> , Britt. & Holl. . . . .				+		+
“ <i>major</i> , Michx. . . . .	—		+	+	+	+
“ <i>maritima</i> , Leggett . . . . .	+	+		+	+	+
“ <i>minor</i> , L. . . . .				+	+	
“ <i>racemulosa</i> , Lam. . . . .				—		
“ <i>tenuifolia</i> , Michx. . . . .				+	+	+

## ELATINACEAE.

	Me.	N. H.	Vt.	Mass.	R. I.	Conn.
<i>Elatine americana</i> , Arn. . . . .	+	+		+	+	+

## HYPERICACEAE.

	Me.	N. H.	Vt.	Mass.	R. I.	Conn.
<i>Ascyrum hypericoides</i> , L. . . . .				+		
<i>Hypericum adpressum</i> , Bart. . . . .	—			+	+	
“ <i>Ascyron</i> , L. . . . .		+	+	+		+
“ <i>boreale</i> , Bicknell . . . . .	+	+	+	+	+	+
“ <i>canadense</i> , L. . . . .	+	+	+	+	+	+
“ “ <i>var. majus</i> , Gray . . . . .	+	+	+	+	+	+
“ <i>ellipticum</i> , Hook. . . . .	+	+	+	+	+	+
“ <i>maculatum</i> , Walt. . . . .	+	+	+	+	+	+
“ <i>mutilum</i> , L. . . . .	+	+	+	+	+	+
“ <i>nudicaule</i> , Walt. . . . .	+	+	+	+	+	+
“ <i>perforatum</i> , L. . . . .	+	+	+	+	+	+
“ <i>virginicum</i> , L. ( <i>Elodes campanulata</i> , Pursh) . . . . .	+	+	+	+	+	+

<sup>1</sup> Printed in RHODORA as supplementary material.

ANACARDIACEAE.

	Me.	N. H.	Vt.	Mass.	R. I.	Conn.
Rhus canadensis, Marsh. . . . .			+			
“ copallina, L. . . . .	+	+	+	+	+	+
“ glabra, L. . . . .	+	+	+	+	+	+
“ Toxicodendron, L. . . . .	+	+	+	+	+	+
“ typhina, L. . . . .	+	+	+	+	+	+
“ venenata, DC. . . . .	—	—	+	+	+	+

SAPINDACEAE.

	Me.	N. H.	Vt.	Mass.	R. I.	Conn.
Acer Negundo, L. . . . .	+	+	+	+	+	+
“ pennsylvanicum, L. . . . .	+	+	+	+	+	+
“ rubrum, L. . . . .	+	+	+	+	+	+
“ saccharinum, L. ( <i>A. dasycarpum</i> , Ehrh.)	+	+	+	+	+	+
“ Saccharum, Marsh. ( <i>A. saccharinum</i> , Wang.)	+	+	+	+	+	+
“ “ var. nigrum, Britt. . . . .	—		+			
“ spicatum, L. . . . .	+	+	+	+	+	+
Staphylea trifolia, L. . . . .		—	+	+	+	+

POLYGALACEAE.

	Me.	N. H.	Vt.	Mass.	R. I.	Conn.
Polygala brevifolia, Nutt. . . . .					+	
“ cruciata, L. . . . .	+			+	+	+
“ Nuttallii, Torr. & Gray . . . . .				+	+	+
“ paucifolia, Willd. . . . .	+	+	+	+	+	+
“ polygama, Walt. . . . .	+	+	+	+	+	+
“ “ var. abortiva, Chodat . . . . .	+			+		
“ sanguinea, L. . . . .	+	+	+	+	+	+
“ Senega, L. . . . .	—		+		+	+
“ verticillata, L. . . . .	+	+	+	+	+	+
“ “ var. ambigua, Wood. . . . .	+	+	+	+	+	+

NOTES UPON THE ABOVE LISTS.

Old and indefinite reports of plants, such as *Lechea minor*, which have been variously interpreted or subjected to recent division, are purposely omitted in the foregoing records.

The Vermont and northern New Hampshire reports of *Hudsonia ericoides*, L., in the Synoptical Flora, i. 191, Gray's Manual, etc., are erroneous and refer to *H. tomentosa*, Nutt.

The *Lechia minor*, var. *racemulosa* of Bennett's Catalogue of Rhode Island Plants, appears to rest upon wrongly-named material. The *Acer saccharinum*, var. *nigrum* of the same list is probably an error.

The *Lechea major* of Professor Jesup's Catalogue of Plants of Hanover, N. H., proves to be *L. intermedia*.

*Rhus Cotinus*, L., is reported by Dame & Collins, Fl. Middlesex Co., as "often found escaped" in Middlesex county, Massachusetts.

*Aesculus Hippocastanum*, L., the horse-chestnut, so commonly planted, has been reported in several local lists as "escaped," "self-sown," etc., but more exact data as to its persistence in a wild state are lacking. Similar reports could be made of *Acer Psuedo-platanus*, *A. platanoides*, and in fact many other plants of cultivation.

*Cardiospermum Halicacabum*, L., has been found by Mr. C. E. Perkins as a casual plant on waste ground at Somerville, Massachusetts.

A form of *Acer Saccharum*, Marsh., resembling at least in the contour of the leaves, the var. *barbatum* of Trelease, has been found in Maine and southern New Hampshire by Mr. M. L. Fernald, but its genetic affinity to the thickish-leaved plant of Tennessee and Arkansas is at best doubtful.

*Polygala Nutallii*, was reported by Mr. W. S. Harris<sup>1</sup> as a characteristic plant in the flora of Windham, N. H., but the species on further examination proved, according to Mr. Harris, to be *P. sanguinea*.

The record of *Polygala brevifolia*, Nutt., from Rhode Island rests upon a simple specimen collected long ago by Stephen T. Olney and now preserved in the herbarium of Brown University.

*Polygala polygama*, var. *abortiva*, Chodat (Monogr. Polygal. 280), is a variety or perhaps rather a state in which the upper as well as the basal racemes bear chiefly or exclusively cleistogamous flowers. This plant is worthy of field study and probably has a much wider distribution than is now known.

The desiderata of the above lists which may be sought with greatest confidence of success are *Hudsonia ericoides* in southeastern New Hampshire, *Elatine americana* in Vermont, and *Rhus canadensis* in northwestern Massachusetts.

<sup>1</sup> Flora of the town of Windham, 13.